

ABSTRACT OF THE DISCLOSURE

A current sensing method and circuit for reading out a sensor cell, and a sensing apparatus comprising an array of sensor cells arranged along column lines and a current sensing readout circuit coupled to each column line. The sensor cell is configured to assert a sensor current indicative of a sensed value. In operation, an input node of the readout circuit is coupled to the sensor cell, typically by a column line of a sensor array that includes the sensor cell. Preferably, to read out the sensor cell, the sensor current flows from the sensor cell to the input node and in response, the readout circuit charges a capacitor to a voltage indicative of the sensed value while clamping the input node at a potential that is at least substantially fixed.